

This listing of claims replaces all prior versions, and listings, of claims in this application.

Listing of Claims:

1-52. (Cancelled)

53. (New) A portable battery recharge station comprising:

a supervisory circuit associated with a voltage requirement of a secondary battery;
and

a voltage converter in communication with the supervisory circuit,
wherein when the secondary battery is in contact with the supervisory circuit, the
supervisory circuit instructs the voltage converter to supply a voltage to the secondary
battery in accordance with the voltage requirement.

54. (New) The station of claim 53, further comprising a holder configured to receive the
secondary battery.

55. (New) The station of claim 53, further comprising a socket configured to receive the
secondary battery.

56. (New) The station of claim 53, wherein the voltage converter is configured to receive
power from a power source, converts the power in accordance with the voltage requirement, and
supplies the converted power to the secondary battery.

57. (New) The station of claim 56, wherein the power source is an electrical outlet.

58. (New) The station of claim 56, wherein the power source is a vehicular battery.
59. (New) The station of claim 56, wherein the power source is one of a replaceable battery, a rechargeable battery, a renewable battery, and a renewable fuel cell.
60. (New) The station of claim 59, wherein the replaceable battery is one of an alkaline battery, a lithium battery, and a zinc-air battery.
61. (New) The station of claim 59, wherein the rechargeable battery is one of a NiCd battery, a NiH₂ battery, a NiMH battery, a Li-ion battery, a Li-polymer battery, a zinc-air battery, and a lead acid battery.
62. (New) The station of claim 61, further comprising a recharger connected to the power source, wherein the recharger is adapted to receive energy from an external power source.
63. (New) The station of claim 59, wherein the renewable fuel cell is one of a methanol fuel cell and a renewable electrolyte type cell.
64. (New) The station of claim 63, further comprising a reservoir adapted to contain fuel of the renewable battery.
65. (New) The station of claim 64 further comprising a gauge adapted to measure a level of the fuel.

66. (New) A battery charging system comprising:

a charging cord having a programming resistor, a first end of the charging cord is configured to mate with a device having a secondary battery; and

a portable battery recharge station having a voltage converter and a supervisory circuit, the portable battery recharge station is configured to receive a second end of the charging cord,

wherein when the charging cord is connected to the device and the portable battery recharge station, the supervisory circuit determines a voltage requirement of the secondary battery based on a resistance value of the programming resistor, the supervisory circuit then instructs the voltage converter to supply a voltage to the secondary battery in accordance with the voltage requirement.

67. (New) The system of claim 66, wherein the voltage converter receives power from a power source, converts the power in accordance with the voltage requirement, and supplies the converted power to the secondary battery.

68. (New) The system of claim 67, wherein the power source is an electrical outlet.

69. (New) The system of claim 67 wherein the power source is a vehicular battery.

70. (New) The system of claim 67 wherein the power source is one of a replaceable battery, a rechargeable battery, a renewable battery, and a renewable fuel cell.

71. (New) The system of claim 70, wherein the replaceable battery is one of an alkaline battery, a lithium battery and a zinc-air battery.
72. (New) The system of claim 70, wherein the rechargeable battery is one of a NiCd battery, a NiH₂ battery, a NiMH battery, a Li-ion battery, a Li-polymer battery, a zinc-air battery, and a lead acid battery.
73. (New) The system of claim 72, further comprising a recharger connected to the portable power source, wherein the recharger is adapted to receive power from an external power source.
74. (New) The system of claim 72, wherein the renewable battery is one of a methanol fuel cell and a renewable electrolyte type cell.
75. (New) A method for recharging secondary batteries comprising:
obtaining a voltage requirement of a secondary battery; and
instructing a voltage converter to receive power from a power source, converting the power to meet the voltage requirement, and supplying the converted power to the secondary battery.
76. (New) The method of claim 75, wherein the obtaining involves a supervisory circuit.
77. (New) The method of claim 75, wherein the obtaining involves a programming resistor.

78. (New) The method of claim 77, wherein the programming resistor is associated with the secondary battery.

79. (New) The method of claim 77, wherein the programming resistor is associated with a device-specific charging cord that is connected to a device housing the secondary battery.